

DEPARTMENT OF THE ENVIRONMENT

SUMMARY

The Maryland Department of the Environment (MDE) is the State's primary agency responsible for environmental protection. MDE's mission is to protect and restore the quality of the State's land and water resources. The Department has broad regulatory, planning, and management responsibility for water quality, air quality, solid and hazardous waste management, stormwater management, and sediment control. The FY 2005 – FY 2009 Capital Improvement Program focuses on four goals: 1) reducing point and nonpoint source nutrient pollution to the Chesapeake Bay; 2) providing for safe, reliable, and adequate water and wastewater infrastructure; 3) mitigating flood damage; and 4) remediating sites contaminated by hazardous waste which pose a threat to public health or the environment.

Point Source Nutrient Reduction Strategies: A major focus for MDE's capital program is the reduction of nutrients entering the Chesapeake Bay through employment of Biological Nutrient Removal (BNR) and Enhanced Nutrient Removal (ENR). Extensive studies have identified that excess nutrients from wastewater treatment plant discharges, activities on agricultural and developed land, and sediment runoff from farms, construction sites, and other lands contribute to the degradation of water quality and living resources in the Bay. The results of these studies led to the 1987 Chesapeake Bay Agreement among the Bay States (Maryland, Virginia, Pennsylvania, and the District of Columbia) and the U.S. Environmental Protection Agency to reduce by 40%, from 1985 levels, the controllable loads of nutrients (nitrogen and phosphorus) entering the Bay. To meet the 40% reduction goal for point source discharges (reductions of 16.7 million pounds per year for nitrogen and 1.7 million pounds per year for phosphorous), Maryland has targeted 66 major wastewater treatment facilities for nutrient removal upgrades through the use of BNR. These 66 major facilities have flows of 500,000 gallons per day or greater and they contribute greater than 95% of the total sewage flow generated in Maryland. Subsequently, as a result of the 2000 Chesapeake Bay Agreement, additional reductions of nitrogen (7.5 million pounds per year) and phosphorous (260,000 pounds per year) from major wastewater treatment plants were determined necessary for the Bay cleanup. To achieve these new goals (total annual reduction of nitrogen of 24.2 million pounds and of phosphorous of 1.96 million pounds), Enhanced Nutrient Removal (ENR) must be employed at the 66 major wastewater treatment facilities where feasible.

Currently, there are 44 wastewater treatment plants in operation with BNR where, from 1985 levels, annual nitrogen loads have been reduced by 16.9 million pounds per year and phosphorous loads by 1.7 million pounds. To date, \$190 million in State capital appropriations have been provided for point source nutrient removal projects. An additional 22 plants are proposed to complete their BNR upgrades at a cost of approximately \$136 million, with the State's share being \$68 million. The current five-year capital improvement program provides \$168.5 million to complete BNR and begin implementation of ENR. The FY 2005 budget reflects partial funding of ENR, where \$1.5 million in State funds has been provided for ENR projects.

Nonpoint Source Nutrient Reduction Programs: Nonpoint source nutrient reduction programs focus on nonagricultural runoff from streets, parking lots, and other developed areas. The Stormwater Pollution Control and Small Creek and Estuary Restoration programs include construction of state-of-the-art stormwater management facilities to retrofit outdated stormwater systems and restoration of streams, creeks, estuaries, and wildlife/aquatic habitat through removal of organic-laden sediments and construction of structural and non structural measures to stabilize and protect surface waters and habitat from future erosion and sedimentation. Funding for the Agricultural Cost-Share Program, which provides grants to farmers to adopt best management practices to reduce agricultural run-off, is funded under the Department of Agriculture.

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SUMMARY - Continued

Water and Wastewater Infrastructure: The Department has identified many communities in Maryland with water supply problems, some with potentially serious health risks. In addition, approximately 45 groundwater systems are estimated to be under the direct influence of surface water and will require modification to meet federal Safe Drinking Water Act regulations for protection from disease-causing organisms (e.g., giardia and viruses). MDE's most recent statewide needs survey has identified some \$1.6 billion in water infrastructure improvements needed throughout Maryland. Water infrastructure projects are funded through the State's Drinking Water Quality Revolving Loan Fund and the Water Supply Assistance Programs. In addition to the pressing need for nutrient removal projects at wastewater treatment plants to effect a Chesapeake Bay cleanup, projects for the upgrade and replacement of obsolete sewage systems are needed to eliminate the discharge of raw sewage and to provide for adequate infrastructure to accommodate planned growth. The December 2001 Task Force on Upgrading Sewage Systems identified some \$4.3 billion in total wastewater needs throughout the State. Wastewater infrastructure projects are funded through the State's Water Quality Revolving Loan Fund and Nutrient Removal Cost Share and Supplemental State Assistance Grant Programs.

Flood Mitigation: Flooding is the highest natural hazard risk in Maryland. Approximately 79,000 structures are prone to flood damage and an estimated 194,000 Marylanders live or work in flood-prone areas of the State. This program provides grants to local jurisdictions for projects which reduce the risk of loss of life and property from flooding. Grant funds may be used to acquire flood-prone properties for demolition or relocation, install flood-warning systems, and construct flood control projects.

Hazardous Substance Control: The Hazardous Substance Cleanup Program provides State participation in the Federal Comprehensive Response, Compensation and Liability Act (Superfund). Funds are used for remedial action at uncontrolled sites listed on the federal "Superfund" National Priorities List. In addition, State funds are used to clean up other uncontrolled waste sites within the State which do not qualify for the federal Superfund, but which pose a substantial threat to public health and the environment. Hazardous material remediation typically involves removal or treatment of contaminated soil, treatment of contaminated water, or construction of caps or other barriers to prevent exposure to contamination. Remediation efforts typically prevent human exposure to contaminants, protect drinking water supplies by removing contamination from groundwater, and prevent the degradation of environmental resources.

Five-Year Capital Improvement Program Summary

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
Water Quality Revolving Loan Fund	70,000	70,000	70,000	70,000	70,000	350,000
Hazardous Substance Cleanup Program	1,500	1,700	1,700	1,700	1,700	8,300
Drinking Water Revolving Loan Fund	11,000	11,000	11,000	11,000	11,000	55,000
Biological and Enhanced Nutrient Removal Program	23,500	25,000	25,000	45,000	50,000	168,500
Supplemental Assistance Program	5,000	5,000	5,000	5,000	5,000	25,000
Water Supply Assistance Program	2,500	2,500	2,500	2,500	2,500	12,500
Stormwater Pollution Control Program	500	750	750	1,000	1,000	4,000
Small Creek and Estuary Restoration Program	500	500	500	500	500	2,500
Comprehensive Flood Management Grant Program	-	500	500	500	500	2,000
TOTAL	114,500	116,950	116,950	137,200	142,200	627,800

All dollars in table are displayed in thousands.

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CHANGES TO FY 2004 - FY 2008 CAPITAL IMPROVEMENT PROGRAM

Changes to FY 2005

Additions:

None

Deletions:

Comprehensive Flood Management Grant Program: The Department did not submit a request for capital funds in FY 2005 due to a backlog in projects pending completion.

Changes to FY 2006 - FY 2008

None

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FY 2005 - FY 2009 Capital Improvement Program Grants and Loans

OFFICE OF THE SECRETARY

Budget Code: UA0103

Maryland Water Quality Revolving Loan Fund	FY 2005 Total	\$70,000
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The Water Quality Revolving Loan Fund provides low-interest loans to local governments which finance wastewater treatment plant improvements. The Clean Water Act of 1996 and annual federal appropriations set up a schedule of capitalization grants to the states to initiate their revolving funds. These grants require a 20% State match. The FY 2005 budget will fund seven projects in seven jurisdictions. Three projects will improve wastewater treatment plants serving 93,450 residences. Two projects will improve sewers, storm drains, and pumping stations serving 7,017 homes. Two other projects will close and cap the 83-acre Resh Road landfill in Washington County and a 29-acre landfill in Frederick County. ***(Projects included for funding through this program are listed on page 48.)***

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	6,407	6,500	6,500	6,500	6,500	32,407
SF	32,840	31,000	31,000	31,000	31,000	156,840
FF	30,753	32,500	32,500	32,500	32,500	160,753
TOTAL	70,000	70,000	70,000	70,000	70,000	350,000

Budget Code: UA0104

Hazardous Substance Cleanup Program	FY 2005 Total	\$1,500
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This program provides for State participation in the Federal Comprehensive Response, Compensation and Liability Act (Superfund). The State provides 10% of the total cleanup cost. The federal share is 90%. Funds are used for remedial action at uncontrolled sites listed on the federal "Superfund" National Priorities List. In addition, State funds are used to clean up other uncontrolled waste sites within the State which do not qualify for the federal Superfund, but which pose a substantial threat to public health and the environment. The State provides up to 100% of the costs for projects that are not included on the federal National Priorities List and seeks cost recovery from responsible parties. ***(Projects included for funding through this program are listed on page 48.)***

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	1,500	1,700	1,700	1,700	1,700	8,300

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Budget Code: UA0105

Drinking Water Revolving Loan Fund **FY 2005 Total** **\$11,000**

The Maryland Drinking Water Revolving Loan Fund provides low interest loans to local governments which finance water supply improvements and upgrades. The Safe Drinking Water Act of 1996 and annual federal appropriations set up a schedule of grants to states to capitalize their revolving funds. These federal grants require a 20% State match. The FY 2005 budget includes funds for seven projects in five jurisdictions serving 423,000 households. *(Projects included for funding through this program are listed on page 49.)*

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	1,860	1,875	1,875	1,875	1,875	9,360
SF	2,687	2,675	2,675	2,675	2,675	13,387
FF	6,453	6,450	6,450	6,450	6,450	32,253
TOTAL	11,000	11,000	11,000	11,000	11,000	55,000

WATER MANAGEMENT ADMINISTRATION

Budget Code: UA04

Biological and Enhanced Nutrient Removal Program **FY 2005 Total** **\$23,500**

This program provides grants to local governments for the removal of nutrients from the discharges of sewage treatment plants. On average, the State provides approximately 50% of the total project cost, with the ability to provide 100% of the cost under the Environmental Article Title 9, Section 9-348. The FY 2005 budget includes funds for 27 WWTP projects, which will reduce nitrogen levels by approximately 14.3 million pounds per year. *(Projects included for funding through this program are listed on page 50.)*

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	23,500	25,000	25,000	45,000	50,000	168,500

Supplemental Assistance Program **FY 2005 Total** **\$5,000**

This program provides supplemental grant assistance to local governments participating in the construction of compliance-related wastewater facility improvements. Funds are targeted for two categories: 1) projects where the community needs to construct improvements to their sewer system infrastructure, but is unable to afford the local share of the construction cost; and 2) projects where the community needs to construct improvements to its sewer system infrastructure, but is unable to completely afford the financing arrangements under the Maryland Water Quality Revolving Loan Fund. To achieve an affordable level of financing for grantees, the program may fund up to 100% of eligible project costs. The FY 2005 budget includes funds for 25 projects: seven projects are BNR/ENR projects: five are combined sewer overflow projects; and thirteen are non-BNR wastewater treatment projects. *(Projects included for funding through this program are listed on pages 51-52.)*

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	5,000	5,000	5,000	5,000	5,000	25,000

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Water Supply Assistance Fund Program	FY 2005 Total	\$2,500
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This program provides grants to assist small communities in the acquisition, design, construction, and rehabilitation of publicly-owned water supply facilities throughout the State. The proceeds from this fund enable the State to continue its efforts to protect public health and enhance the quality of life. The program may fund up to 87.5% of the total eligible project cost and a minimum 12.5% local match is required. The FY 2005 budget includes funds for ten projects in six jurisdictions, which will ensure safe drinking water for approximately 3,725 residences. ***(Projects included for funding through this program are listed on page 52.)***

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	2,500	2,500	2,500	2,500	2,500	12,500

Stormwater Pollution Control Program	FY 2005 Total	\$500
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This program provides up to 75% matching grants to local governments for stormwater management (retrofit) projects to reduce non-point source pollution from existing urban areas. The State Stormwater Cost-Share Program controls the amount of nutrient and other pollutant runoff from existing developed areas. Grantees must contribute a minimum of 25% of the total project cost. The FY 2005 budget includes funds for seven stormwater management retrofit and conversion projects in five jurisdictions that will contribute to the reduction of pollutant loads from an estimated 991 acres of developed land. ***(Projects included for funding through this program are listed on page 53.)***

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	500	750	750	1,000	1,000	4,000

Small Creek and Estuary Restoration Program	FY 2005 Total	\$500
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This program provides grants to local governments for water quality cleanup projects in small creeks and estuaries. Typically projects include dredging of polluted stream beds and streambank/channel stabilization. On average, projects are funded on a 50/50 cost-share basis with local governments; however, by law, MDE may provide up to 87.5% of the total project cost. The FY 2005 budget includes funds for seven projects in six jurisdictions that will restore an estimated 23,800 linear feet of stream channels throughout the State. ***(Projects included for funding through this program are listed on page 53.)***

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	500	500	500	500	500	2,500

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Comprehensive Flood Management Grant Program

The Comprehensive Flood Management Grant program provides grants to local governments for flood mitigation projects which reduce the risk of loss of life and property from flooding. Grant funds may be used to acquire flood-prone properties for demolition or relocation, installation of flood warning systems, and construction of flood control projects, including engineering studies required to support design of these projects. The program funds up to 75% of the non-federal project costs and are used primarily to match funds from the Federal Emergency Management Agency and U.S. Army Corps of Engineers. Local governments being served contribute the remaining 25% of the non-federal match.

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	-	500	500	500	500	2,000

Total Program - Department of the Environment

<u>Source</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>TOTAL</u>
GO Bonds	41,767	44,325	44,325	64,575	69,575	264,567
SF	35,527	33,675	33,675	33,675	33,675	170,227
FF	37,206	38,950	38,950	38,950	38,950	193,006
TOTAL	114,500	116,950	116,950	137,200	142,200	627,800

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Maryland Water Quality Revolving Loan Fund

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Cecil	Elkton WWTP BNR/ENR Upgrade*	10,000	-	4,647 C	-	47%
Charles	Mattawoman WWTP BNR Upgrade*	28,000	-	18,000 C	-	64%
Dorchester	Cambridge CSO**	7,115	-	4,925 C	-	69%
Frederick	Cell 3 Lining and Rubble Landfill Capping	9,345	-	8,945 C	-	96%
Somerset	Westover Sewer Extension	3,449	-	3,449 C	-	100%
Talbot	Easton WWTP ENR Upgrade and Expansion*	28,434	-	20,000 PC	-	70%
Washington	Resh Road Landfill Capping	10,232	-	10,034 C	-	98%
TOTAL		96,575	-	70,000	-	

*Project also funded through Biological and Enhanced Nutrient Removal Program.

**Project also funded through Supplemental Assistance Program.

Hazardous Substance Cleanup Program

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Baltimore	Sauer Dump	1,168	568 C	350 C	250 C	100%
Caroline	Skipjack Chemical Site	750	175 P	575 C	-	100%
Cecil	Dwyer Site	750	175 P	575 C	-	100%
TOTAL		2,668	918	1,500	250	

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Maryland Drinking Water Revolving Loan Fund

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Baltimore City	Cherry Hill Water Main Cleaning	2,520	-	2,400 C	-	95%
Calvert	Chesapeake Beach Well and Control Building	360	-	360 C	-	100%
Carroll	Cranberry WTP Upgrade	4,500	-	4,155 C	-	92%
Carroll	New Windsor Water Storage Tank	900	-	900 C	-	100%
Carroll	New Windsor WTP Chlorine Tank and Expansion	291	-	291 C	-	100%
Somerset	Westover Water Main Extension	1,994	-	1,994 C	-	100%
St. Mary's	New Wells-Arsenic Removal	900	-	900 C	-	100%
TOTAL		11,465	-	11,000	-	

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Biological and Enhanced Nutrient Removal Program

		<u>State Funding</u>				
<u>Subdivision</u>	<u>Project</u>	<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	<u>Total State Share</u>
Allegany	Celanese BNR*	10,724	2,550 PC	346 C	-	27%
Allegany	George's Creek BNR/ENR	4,000	1,000 PC	100 C	900 C	50%
Anne Arundel	Annapolis ENR	6,000	100 P	200 P	2,700 PC	50%
Baltimore	Back River ENR	100,000	200 P	1,000 P	48,800 PC	50%
Baltimore City	Patapsco BNR/ENR	200,000	2,618 P	3,000 P	40,382 PC	25%
Caroline	Federalsburg BNR/ENR	3,300	270 P	1,000 C	380 C	50%
Cecil	Elkton BNR/ENR**	10,000	900 P	2,000 PC	2,100 C	50%
Cecil	Perryville ENR	2,000	-	200 C	800 C	50%
Charles	Indian Head BNR/ENR	2,676	10 P	800 PC	528 C	50%
Charles	Mattawoman BNR/ENR**	20,000	5,699 PC	2,100 C	2,201 C	50%
Frederick	Ballenger ENR	1,000	50 P	50 P	400 C	50%
Frederick	Brunswick BNR/ENR*	4,000	750 PC	450 C	800 C	50%
Howard	Little Patuxent ENR	10,000	100 P	500 P	4,400 PC	50%
Kent	Chestertown BNR/ENR*	4,600	1,000 PC	800 C	500 C	50%
Montgomery	Blue Plains BNR	28,000	10,773 PC	1,200 C	2,027 C	50%
Montgomery	Damascus ENR	2,000	100 P	100 P	800 C	50%
Montgomery	Poolesville BNR/ENR	2,658	550 PC	500 C	279 C	50%
Prince George's	Piscataway ENR	12,000	100 P	200 P	5,700 PC	50%
Queen Anne's	Centreville BNR/ENR**	12,024	3,452 PC	200 C	356 C	33%
Queen Anne's	Kent Island BNR/ENR	23,743	8,726 PC	1,000 C	2,145 C	50%
Somerset	Crisfield BNR/ENR*	6,052	2,026 PC	100 C	900 C	50%
St. Mary's	Marlay Taylor (Pine Hill Run) ENR	4,000	-	600 PC	1,400 C	50%
Talbot	Easton ENR**	10,000	100 P	2,500 PC	2,400 C	50%
Talbot	St. Michaels ENR	4,071	-	2,000 PC	35 C	50%
Wicomico	Delmar BNR/ENR*	2,686	515 PC	300 C	528 C	50%
Wicomico	Salisbury BNR/ENR	28,550	6,100 PC	2,000 C	6,175 C	50%
Worcester	Snow Hill BNR/ENR	2,600	800 PC	254 C	246 C	50%
TOTAL		516,684	48,489	23,500	127,882	

*Projects also funded through the Supplemental Assistance Program.

** Projects also funded through Maryland Water Quality Revolving Loan Fund.

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Supplemental Assistance Program

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Allegany	Celanese BNR*	10,724	747 PC	163 C	538 C	14%
Allegany	Cumberland Combined Sewer Overflow	29,840	2,800 PC	250 PC	6,950 PC	34%
Allegany	Cumberland CSO SCADA Evaluation	490	200 P	50 P	-	51%
Allegany	Frostburg CSO Elimination	20,000	520 PC	250 PC	4,230 PC	25%
Allegany	Stoney Run/Westernport Septic Upgrade	481	100 PC	100 C	185 C	80%
Allegany	Westernport Combined Sewer Overflow	19,000	550 PC	200 PC	4,250 PC	26%
Caroline	Town of Denton Second Street Pump Station	287	-	267 C	-	93%
Dorchester	Cambridge CSO, Phase I-VI**	7,115	1,500 PC	300 PC	300 C	30%
Dorchester	Hurlock BNR/ENR	6,600	200 PC	200 C	1,250 C	25%
Frederick	Brunswick BNR/ENR*	4,000	300 PC	200 C	500 C	25%
Garrett	Accident Wastewater System Improvements	2,923	150 PC	350 C	-	17%
Garrett	Keyzers Ridge Sewer	1,492	350 PC	150 C	-	34%
Harford	Oaklyn Manor Road Sewer	1,900	200 PC	130 C	-	17%
Kent	Chestertown BNR/ENR*	4,600	300 PC	200 C	650 C	25%
Kent	Kennedyville WWTP and Collection System Upgrades	1,925	-	250 C	375 C	33%
Kent	Millington WWTP	1,200	-	250 C	-	21%
Queen Anne's	Centreville BNR/ENR*	12,024	750 PC	200 C	1,054 C	17%
Somerset	Crisfield BNR/ENR*	6,052	100 PC	100 C	300 C	8%
Talbot	Tilghman Island Beach Failing Septic Systems	175	-	150 C	-	86%
Washington	Funkstown WW Lagoons 2 & 3	1,120	150 PC	400 C	-	49%

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Supplemental Assistance Program (Continued)

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Washington	Halfway Interceptor Force Main Improvements	2,850	-	100 P	1,000 C	39%
Washington	Kemps Mill Sewage Collection System Phase II	480	-	240 C	-	50%
Washington	Rolling Hills Collection and Conveyance	3,503	76 PC	100 C	325 C	14%
Washington	Winebrenner WWTP	432	-	200 C	-	46%
Wicomico	Delmar BNR/ENR*	2,686	100 PC	200 C	372 C	25%
TOTAL		141,899	9,093	5,000	22,279	

*Projects also funded through the Biological and Enhanced Nutrient Removal Program.

**Project also funded through the Maryland Water Quality Revolving Loan Fund.

Water Supply Assistance Fund Program

<u>Subdivision</u>	<u>Project</u>	<u>State Funding</u>				<u>Total State Share</u>
		<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	
Allegany	Clarysville Water Project	525	-	300 PC	159 C	87%
Allegany	Westernport Water Filtration Plant Upgrade	1,172	-	300 PC	-	26%
Caroline	Federalsburg Water Tower Replacement	1,053	283 PC	275 C	225 C	74%
Caroline	Nelphine Heights/Jonestown Water Distribution	700	-	404 C	209 C	88%
Cecil	Cecilton Water System Upgrade	1,800	227 PC	173 C	-	22%
Garrett	Deer Park Water System	1,000	-	250 C	-	25%
Kent	West Millington Water System	1,963	280 PC	50 C	-	17%
Washington	Boonsboro Water Extension	420	-	368 C	-	88%
Washington	Mt. Aetna Water Treatment Reservoir	400	-	200 C	-	50%

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Washington	Pen Mar Water Distribution System	2,500	1,020 PC	180 C	-	48%
TOTAL		11,533	1,810	2,500	593	

Maryland Stormwater Pollution Control Program

		<u>State Funding</u>				
<u>Subdivision</u>	<u>Project</u>	<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	<u>Total State Share</u>
Allegany	Frostburg SW Retrofit	105	-	79 C	-	75%
Garrett	Grantsville SWM Project	133	-	100 C	-	75%
Kent	Town of Betterton Bluff Control	17	-	13 C	-	77%
Montgomery	Dunlop Stormwater Management Facility	250	-	106 C	82 C	75%
Prince George's	Beaverdam Creek Site #104 (Anacostia)	545	-	75 P	334 C	75%
Prince George's	Beaverdam Creek Site #112 (Anacostia)	400	-	75 P	225 C	75%
Prince George's	Beaverdam Creek Site #26 (Anacostia)	371	-	52 P	226 C	75%
TOTAL		1,821		500	867	

Small Creek and Estuary Restoration Program

		<u>State Funding</u>				
<u>Subdivision</u>	<u>Project</u>	<u>Total Cost</u>	<u>Prior Auth.</u>	<u>FY 2005 Request</u>	<u>Future Request</u>	<u>Total State Share</u>
Baltimore	Woodvalley Stream	600	29 P	71 C	-	17%
Baltimore	Tall Trees Stream	600	-	60 C	240 C	50%
Caroline	Marshyhope Creek	1,080	206 PC	100 C	504 C	75%
Dorchester	Wrights Creek	620	-	110 C	200 C	50%
Garrett	Maple Grove Stream	39	-	29 C	-	74%
Harford	Woodbridge Stream	196	-	30 PC	68 C	50%
Montgomery	Booze Creek	400	-	100 PC	100 C	50%
TOTAL		3,535	235	500	1,112	